

Kenneth S. Bøgh - Curriculum Vitae

Phone: +4531602515

Email: ksb@cs.au.dk

URL: <http://users-cs.au.dk/u071354/>

Born: October 27, 1986—Viborg, Denmark

Nationality: Danish

Current position

Phd Fellow, Department of Computer Science, Aarhus University

Areas of specialization

databases, data management, query processing, parallel processing (GPU, multicore, NUMA), data structures

Education

- 2015-2016 PHD INTERN, Data Systems Laboratory, Harvard University, USA
Topic: Optimal column partitioning and indexing
Supervisor: Stratos Idreos
- 2013- PHD, Department of Computer Science, Aarhus University, Denmark
Topic: Parallel database algorithms
Supervisor: Ira Assent
- 2011-2013 MSC, Department of Computer Science, Aarhus University, Denmark
Thesis: “Efficient Skycube Computation on the GPU”
Supervisor: Ira Assent
- 2007-2011 BSC, Department of Computer Science, Aarhus University, Denmark

Grants, honors & awards

- 2015 The Stibo Foundation Travel Scholarship (70.000 kr.)
- 2013 Top-5 finalist, *National Thesis of the Year*, Danish Society of Computer Science

Publications

- 2015 Kenneth S. Bøgh, Sean Chester, Ira Assent. “Work-efficient skyline computation for the GPU.” *PVLDB*: 8(9), 962-973.

- 2015 Sean Chester, Darius Šidlauskas, Ira Assent, Kenneth S. Bøgh. “Scalable parallelization of skyline computation for multi-core processors.” In *Proc. ICDE*, 1083-1094.
- 2015 Leon Derczynski, Sean Chester, Kenneth S. Bøgh. “Tune Your Brown Clustering, Please” In *Proc. RANLP*, 110-117.
- 2014 Kenneth S. Bøgh, Sean Chester, Darius Šidlauskas, Ira Assent. “Hashcube: A data structure for space- and query-efficient skycube compression.” In *Proc. CIKM*, 1767-1700.
- 2014 Leon Derczynski, Camilla Vilhelmsen Field, Kenneth S. Bøgh. “DKIE: Open Source Information Extraction for Danish.” In *Proc. EACL*, 61-64.
- 2013 Kenneth S. Bøgh, Anders Skovsgaard, Christian S. Jensen. “GroupFinder: a new approach to top-k point-of-interest group retrieval.” *PVLDB*: 6(12), 1226-1229.
- 2013 Kenneth S. Bøgh, Ira Assent, Matteo Magnani. “Efficient GPU-based skyline computation.” In *Proc. DaMoN*, 5:1-6.

Teaching

- 2016 *Distributed Systems*, teaching assistant, 46 students
- 2016 *Algorithm Engineering*, graduate course, guest lecturer, 31 students
-Prepared and gave a lecture on engineering algorithms for parallel architectures
- 2015 *Algorithm Engineering*, graduate course, guest lecturer, 48 students
-Prepared and gave a lecture on engineering algorithms for parallel architectures
- 2015 *Introduction to Web Technologies*, teaching assistant, 40 students
- 2014 *Introduction to Databases*, teaching assistant, 40 students
- 2014 *Introduction to Web Technologies*, teaching assistant, 50 students

Service to the profession

- 2016 External reviewer for SSDBM
- 2015 External reviewer for PVLDB, KDD and BTW
- 2014 External reviewer for SSDBM and KDD
- 2013 External reviewer for SIGMOD

Skills

CUDA C, openMP, POSIX threads, C++, Java, MySQL, Linux, LaTeX, bash

Work experience

- 2010-2013 Student programmer, Data-Intensive Systems research group, Aarhus University
- 2009-2010 Systems administrator, Stibo Systems, managing approx. 200 servers